

# Converting Colors

$Yxy(69.7939, 0.3046, 0.4284)$

Have a look what the booklet for  
Yxy(69.7939, 0.3046, 0.4284)  
contains.

<b>Yxy(69.8439, 0.3044, 0.4280)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(69.8439, 0.3044, 0.4280)**

# Conversions

## Conversions Part 1

Format	Color
Hex	99ED9F
RGB	153, 237, 159
RGB Percent	60%, 93%, 62%
CMY	0.4002, 0.0705, 0.3764
CMYK	0.35, 0.00, 0.33, 0.07
HSL	124°, 70%, 76%
HSV	124°, 35%, 93%
XYZ	49.6740, 69.8439, 43.6688
YIQ	202.9920, -25.0260, -42.0660

# Conversions

## Conversions Part 2

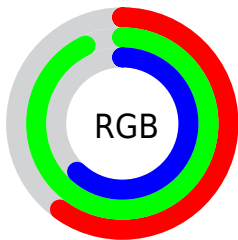
Format	Color
<a href="#">RYB</a>	<a href="#">153, 231, 237</a>
Decimal	<a href="#">10087839</a>
CIELab	<a href="#">86.92, -40.87, 29.96</a>
CIElCh	<a href="#">87, 50.676, 143.761</a>
Yxy	<a href="#">69.8439, 0.3044, 0.4280</a>
Android (android.graphics.Color)	<a href="#">4288277919</a> ( <a href="#">0xFF99ED9F</a> )
YUV	<a href="#">202.9920, -21.6881, -43.8430</a>
Hunter-Lab	<a href="#">83.5727, -40.1551, 27.5204</a>

# Details

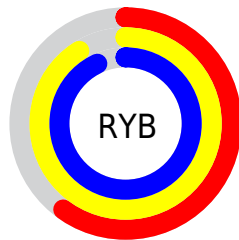
The Yxy color **69.8439, 0.3044, 0.4280** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **46.5430, 0.3220, 0.2467**, and the grayscale version is **59.8629, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.0767, 0.3082, 0.3728**, and **36.7060, 0.3003, 0.4552** is the 20% darker color. If you saturate the color by 10%, you get **67.0689, 0.3022, 0.4617**, and if you desaturate by 10%, it is **73.2186, 0.3068, 0.3963**.

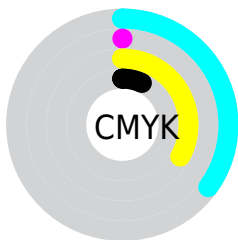
# Distribution



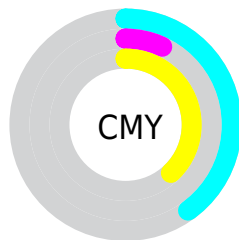
- Red (60%)
- Green (93%)
- Blue (62%)



- Red (60%)
- Yellow (91%)
- Blue (93%)



- Cyan (35%)
- Magenta (0%)
- Yellow (33%)
- Black (7%)




- Cyan (40%)
- Magenta (7%)
- Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.8439, 0.3044, 0.4280 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 69.8439, 0.3044, 0.4280 by changing the saturation by 10% instead.





 69.8439, 0.3044,  
0.4280


 69.8439, 0.3044,  
0.4280


460.0017, 0.3098,  
0.3792

 51.3993, 0.3027,  
0.4399


 118.9861, 0.3066,  
0.4105

 36.5265, 0.3004,  
0.4550


 150.4525, 0.3074,  
0.4038

 24.8411, 0.2970,  
0.4746


187.0283, 0.3080,  
0.3982

 15.9587, 0.2918,  
0.5012

229.0978, 0.3085,  
0.3933

 9.4949, 0.2833,  
0.5389

277.0456, 0.3089,  
0.3891

 5.0654, 0.2677,  
0.5956


331.2559, 0.3093,

 2.2857, 0.2551,


0.3854


0.7449


392.1131, 0.3096,  
0.3821


 0.7661, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 69.8439, 0.3044,  
0.4280


 69.8439, 0.3044,  
0.4280


 67.0689, 0.3022,  
0.4617


 73.2186, 0.3068,  
0.3963


 64.8503, 0.3003,  
0.4958

 77.2159, 0.3092,  
0.3674

 63.1530, 0.2989,  
0.5282

 81.8682, 0.3115,  
0.3417

 61.9344, 0.2981,  
0.5565

 87.2030, 0.3137,  
0.3192

■ 61.1447, 0.2981,  
0.5784

■ 89.0548, 0.3135,  
0.3117

■ 60.7236, 0.2988,  
0.5925

■ 60.6155, 0.2990,  
0.5964

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.8439, 0.3645, 0.4417



69.8439, 0.3044, 0.4280



69.8439, 0.2496, 0.3770

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.8439, 0.3044, 0.4280



69.8439, 0.2170, 0.2370



69.8439, 0.4220, 0.3294

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



69.8439, 0.3044, 0.4280



46.5430, 0.3220, 0.2467

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



69.8439, 0.3744, 0.2852



69.8439, 0.3044, 0.4280



69.8439, 0.2546, 0.2340

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.8439, 0.3044, 0.4280



69.8439, 0.2029, 0.2633



69.8439, 0.3113, 0.2515



69.8439, 0.4359, 0.3770



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69.8439, 0.3044, 0.4280



69.8439, 0.2231, 0.3340



69.8439, 0.3113, 0.2515



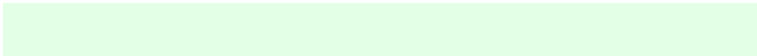
69.8439, 0.4092, 0.3140

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



69.8468, 0.3044, 0.4280



93.4982, 0.3102, 0.3556



79.9302, 0.3620, 0.4186



19.8554, 0.3099, 0.3592



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

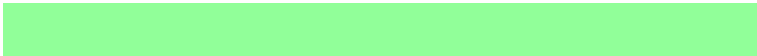


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.8468, 0.3044, 0.4280



79.8796, 0.3027, 0.4539



71.5409, 0.2816, 0.3737



16.8798, 0.3106, 0.3516



33.0972, 0.2987, 0.5953



2.6051, 0.2953, 0.5830



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



46.5430, 0.3220, 0.2467



48.3397, 0.3243, 0.2298



44.4665, 0.3606, 0.2887



15.2940, 0.3149, 0.3074



12.6574, 0.3398, 0.1646

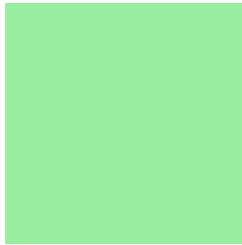


0.9995, 0.3369, 0.1630



# Previews

## White Background



This preview shows how the Yxy color 69.8439, 0.3044, 0.4280 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

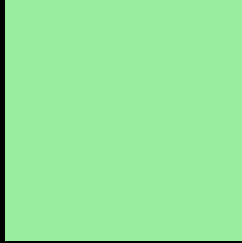
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.8439, 0.3044, 0.4280 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 69.8439, 0.3044, 0.4280**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.8439, 0.3044, 0.4280.



This preview shows how white text looks on a background with the Yxy color 69.8439, 0.3044, 0.4280.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

69.8439, 0.3044, 0.4280

### Protanopia

68.8062, 0.3730, 0.4011

### Deuteranopia

69.0884, 0.3818, 0.3737



## Tritanopia

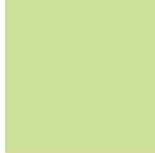
69.4704, 0.2666, 0.3082

# Trichromacy



## Original Color

69.8439, 0.3044, 0.4280



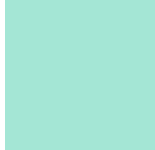
## Protanomaly

68.5904, 0.3458, 0.4119



## Deuteranomaly

68.2128, 0.3504, 0.3928



## Tritanomaly

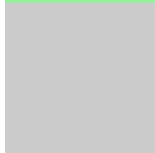
69.2902, 0.2805, 0.3494

# Monochromacy



## Original Color

69.8439, 0.3044, 0.4280



## Achromatopsia

59.7202, 0.3127, 0.3290



## Achromatomaly

62.5030, 0.3097, 0.3633

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.8439, 0.3044, 0.4280 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(153, 237, 159)` looks like.

```
.text, #text, p{  
    color:rgb(153, 237, 159)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(153, 237, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 237, 159) }
```

## Border

The CSS property to change the border of an element to Yxy 69.8439, 0.3044, 0.4280 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(153, 237, 159) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(153, 237, 159) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(153, 237, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 237, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 237, 159);  
box-shadow:4px 4px 4px 4px rgb(153, 237,  
159) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.8439, 0.3044, 0.4280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 237, 159) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(153,  
237, 159) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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